

540, 414

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
15 July 2004 (15.07.2004)

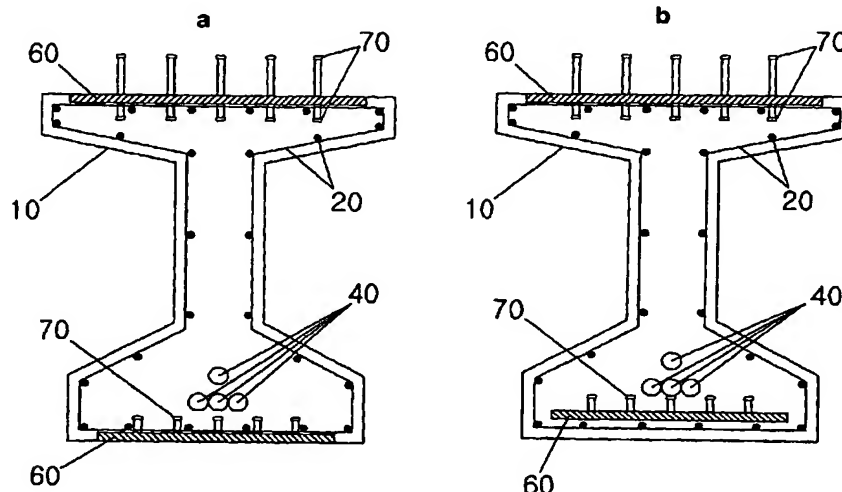
PCT

(10) International Publication Number
WO 2004/059089 A1

- (51) International Patent Classification⁷: **E01D 2/00**
- (21) International Application Number:
PCT/KR2003/002826
- (22) International Filing Date:
24 December 2003 (24.12.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
20-2002-0038879
30 December 2002 (30.12.2002) KR
20-2002-0039104
31 December 2002 (31.12.2002) KR
10-2003-0008106
10 February 2003 (10.02.2003) KR
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- (81) Designated States (national): BR, EC, ID, IN, JP, MX, PH, US, VN.
- (84) Designated States (regional): European patent (DE, ES, FR, GB, IT, TR).
- Declarations under Rule 4.17:**
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations BR, EC, ID, IN, JP, MX, PH, VN, European patent (DE, ES, FR, GB, IT, TR)
 - as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations BR, EC, ID, IN, JP, MX, PH, VN, European patent (DE, ES, FR, GB, IT, TR)

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(54) Title: PRESTRESSED COMPOSITE GIRDER, CONTINUOUS PRESTRESSED COMPOSITE GIRDER STRUCTURE AND METHODS OF FABRICATING AND CONNECTING THE SAME



(57) Abstract: Disclosed herein are a prestressed composite girder with steel plates, a continuous prestressed composite girder structure with steel plates and methods of fabricating and connecting the same. The prestressed composite girder includes shear reinforcing bars and main reinforcing bars, sheaths, sole plates, and steel plates. The shear reinforcing bars and main reinforcing bars are arranged across the prestressed composite girder. The sheaths are adapted to contain steel wires arranged across the prestressed composite girder. The sole plates are placed at ends of the prestressed composite girder and provided with shear connecting members. The steel plates are placed in upper and lower flanges of the prestressed composite girder and provided with shear connecting members.

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- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for the following designations BR, EC, ID, IN, JP, MX, PH, VN, European patent (DE, ES, FR, GB, IT, TR)*

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Published:

- *with international search report*